Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1. (Cancelled)
- 2. (Cancelled)
- 3. (Cancelled)
- 4. (Cancelled)
- 5. (Previously presented) An organic light emitting device comprising an array of pixels defined by a photoresist grid and having a pixel pitch of less than 500 μm, wherein each pixel comprises an emissive layer comprising a phosphorescent emissive material of the formula VII

VII

wherein

M is a metal atom;

each R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is, independently, H, F, Cl, Br, I, R, OR, N(R)₂, SR, C(O)R, C(O)OR, C(O)N(R)₂, CN, NO₂, SO₂, SOR, SO₂R, SO₃R; and additionally, or alternatively, any one or more of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 4- to 7-member cyclic group, wherein said cyclic group is cycloalkyl, cycloheteroalkyl, aryl, or heteroaryl, and wherein said cyclic group is optionally substituted by one or more substituents X;

each R is, independently, H, C_1 - C_{20} alkyl, C_2 - C_{20} alkenyl, C_2 - C_{20} alkynyl, C_1 - C_{20} heteroalkyl, C_5 - C_{40} aryl, C_5 - C_{40} heteroaryl, aralkyl; wherein R is optionally substituted by one or more substituents X;

each X is, independently, H, F, Cl, Br, I, R', O R', N(R')₂, SR', C(O)R', C(O)OR', C(O)N(R')₂, CN, NO₂, SO₂, SOR', SO₂R', or SO₃R';

each R' is, independently, H, C_1 - C_{20} alkyl, C_1 - C_{20} perhaloalkyl, C_2 - C_{20} alkenyl, C_2 - C_{20} alkynyl, C_1 - C_{20} heteroalkyl, C_5 - C_{40} aryl, or C_5 - C_{40} heteroaryl; and wherein at least one of R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is not H.

6. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula

- 7. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein at least one of R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is anyl or heteroaryl.
- 8. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula

9. (Previously presented) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein at least one

of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 5-or 6-member cyclic group.

- 10. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein M is Ir.
- 11. (Previously presented) The organic light emitting device of claim 5, wherein the emissive layer comprises an emissive material of the formula VII wherein at least one of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 5-or 6-member cyclic group.
- 12. (Cancelled)
- 13. (Previously presented) The organic light emitting device of claim 5, wherein the grid comprises a negative photo-resist material.
- 14. (Previously presented) The organic light emitting device of claim 5, wherein the grid comprises a positive photo-resist material.
- 15. (Cancelled)
- 16. (Cancelled)
- 17. (Previously presented) The organic light emitting device of claim5, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a, II_a, or III_a

wherein

M is a metal atom;

each R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹ and R¹² is, independently, H, F, Cl, Br, I, R, OR, N(R)₂, SR, C(O)R, C(O)OR, C(O)N(R)₂, CN, NO₂, SO₂, SOR, SO₂R, SO₃R; and additionally, or alternatively, any one or more of R¹ and R², or R² and R³, or R³ and R⁴, or R⁵ and R⁶, or R⁶ and R⁷, or R⁷ and R⁸, or R⁹ and R¹⁰, or R¹¹ and R¹², together form, independently, a fused 4- to 7-member cyclic group, wherein said cyclic group is cycloalkyl, cycloheteroalkyl, aryl, or heteroaryl, and wherein said cyclic group is optionally substituted by one or more substituents X;

each R is, independently, H, C_1 - C_{20} alkyl, C_2 - C_{20} alkenyl, C_2 - C_{20} alkynyl, C_1 - C_{20} heteroalkyl, C_5 - C_{40} aryl, C_3 - C_{40} heteroaryl, aralkyl; wherein R is optionally substituted by one or more substituents X;

each X is, independently, H, F, Cl, Br, I, R', OR', N(R')₂, SR', C(O)R', C(O)OR', C(O)N(R')₂, CN, NO₂, SO₂, SOR', SO₂R', or SO₃R'; and

each R' is, independently, H, C_1 - C_{20} alkyl, C_1 - C_{20} perhaloalkyl, C_2 - C_{20} alkenyl, C_2 - C_{20} alkynyl, C_1 - C_{20} heteroalkyl, C_5 - C_{40} aryl, or C_5 - C_{40} heteroaryl.

18. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a, II_a, or III_a wherein M is Ir.

- 19. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a.
- 20. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula II_a.
- 21. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula III_a.
- 22. (Original) The organic light emitting device of claim 19, wherein the emissive layer comprises a phosphorescent emissive material of the formula

- 23. (Original) The organic light emitting device of claim 22, wherein M is Ir.
- 24. (Original) The organic light emitting device of claim 19, wherein the emissive layer comprises an emissive material of the formula

25. (Original) The organic light emitting device of claim 24, wherein M is Ir.

26. (Original) The organic light emitting device of claim 21, wherein the emissive layer comprises an emissive material of the formula

- 27. (Original) The organic light emitting device of claim 26, wherein M is Ir.
- 28. (Cancelled)
- 29. (Cancelled)
- 30. (Cancelled)
- 31. (Cancelled)
- 32. (Cancelled)
- 33. (Cancelled)
- 34. (Cancelled)
- 35. (Cancelled)
- 36. (Cancelled)
- 37. (Cancelled)
- 38. (Cancelled)
- 39. (Previously presented) An organic light emitting device having an emissive layer, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_c

 I_c

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- 40. (Cancelled)
- 41. (Cancelled)
- 42. (Cancelled)
- 43. (Cancelled)
- 44. (Previously presented) A compound having the formula Ic

 I_c